EDIMAX
NETWORKING PEOPLE TOGETHER

EB-MDC1

Mini Bluetooth V2.1 USB Adapter Class 1 and EDR

100 Meters

LOW POWER CONSUMPTION

Bluetooth V2.1+EDR+Class 1

The EB-MDC1 is a Bluetooth Class 1 USB adapter which complies with new Bluetooth V2.1+EDR standards and is backward compatible with Bluetooth V2.0, V1.1 and V1.0. Bluetooth V2.1 provides many useful functions, including lower power consumption and enhanced security. With the EDR(Enhanced Data Rate) technology, it provides the data rate up to 3Mbps. Class 1 device offers unparalleled receiver sensitivity and transmitter output power to maintain Bluetooth connections up to 100 meters which is ten times farther than Class 2 solutions. The EB-MDC1 compact design allows you to fit it in a limited space without interfering with other USB devices.

Secure Simple Pairing

The EB-MDC1 supports secure simple pairing function which allows users to pair devices much more simply and quickly. The secure simple pairing function can reduce the number of operations / keystrokes required via confirming the same 6-digit pairing number automatically.

Up to 5x longer battery life

The EB-MDC1 “Sniff Subrating” feature can increase the battery life of connected Bluetooth V2.1 device 5 times in sleep mode. Sniff Subrating reduces the power consumption when devices are in the sniff low-power mode, especially when linking with asymmetric data flows.

More information in inquiry response

Bluetooth V2.1 standards can provide more information during inquiry procedure. The information includes device name, a list of services the device supports, the time of day and pairing information… It is very helpful for you to identify and filter devices.

RoHS FC CE

FEATURES AND TECHNICAL SPECIFICATIONS

HARDWARE	PROFILES SUPPORT	DATA RATE & CONSUMPTION
CSR Chipset with Toshiba software USB A Type LED for Power	A2DP-Slink, A2DP-Source, AVCTP, AVDTP, AVRCP-Target, BIP-ImagePush, BIP-RemCam, BNEP, DUN-DT, Fax-DT, FT-Client, FT-Server, GAP, GAVDP, Generic Object Exchange, HandsFree-AG(1.0), HCRP-Client(1.2), Headset-AG, HID-Host, OPP-Client, OPP-Server, PAN-Group, PAN-User, SDAP, SDP, Serial-DevA, Serial-DevB	3Mbps - Idle: 14.8mA/5V Typical: 81.6mA/5V - Max Transmit : 112.5mA/5V (peak) - Max Receive : 50.3mA/5V (peak)

STANDARD & FREQUENCY RANGE	HUMIDITY & TEMPERATURE	ANTENNA
Bluetooth 2.1/2.0/1.1/1.0 EDR (Enhanced Data Rate) Security: encrypted link, authentication 2.400~2.4835 GHz	10-95% (Non-condensing) 0~45 Degree Celsius	Integrated Antenna

OS SUPPORT	DIMENSION	CERTIFICATIONS
Windows 2000/XP/Vista , Linux and MAC	EB-MDC1 24.8 x 13.5 x 4.5 mm	CE, FCC, BQB

NETWORK SETUP DIAGRAM AND RELATED PRODUCTS

An example to setup EB-MDC1:

- Insert Edimax CD in the CD-ROM and follow the on-screen instructions for software installation.
- Insert EB-MDC1 into computer USB port.
- Reboot the computer and start the Bluetooth software to make the Bluetooth connection